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PROCEEDINGS OF MEETINGS.

March 9, 1868.

President Horn in the Chair.

Ten members present.

The following donations to the *Library* were announced :—

The American Naturalist, Vol. 1, Nos. 11 and 12. From the *Editors.*

The Entomologist's Monthly Magazine for December, 1867, January and February, 1868. From the *Conductors.*

Proceedings of the Boston Society of Natural History, Vol. 11, pp. 209—272. From the *Society.*

Proceedings of the Essex Institute, Vol. 5, No. 5. From the *Institute.*

The American Journal of Science and Arts for January, 1868. From the *Conductors.*

Entomologische Zeitung. 28 Jahr. 1867. From the *Entomologische Vereine, Stettin.*

Mittheilungen der Schweizerischen Entomologischen Gesellschaft. Vol. 2, Nr. 6, 1867. From the *Society.*

Essai Monographie sur les Nysson du Bassin du Léman (Insectes Hyménopteres), par Frédéric Chevrier, 1867. From the *Author.*

Notice sur Michel Faraday sa vie et ses travaux par Prof. A. de la Rive. From the *Author.*

Geotrupes of Boreal America, by G. H. Horn, M. D., 1868. From the *Author.*

Eight plates of Lepidoptera, drawn and engraved from rare species contained in the Society's Collection, by Prof. Townend Glover. From the *Department of Agriculture.*

The following works were presented by *Dr. H. de Saussure :*—

Mémoires pour servir a l'Histoire Naturelle du Mexique des Antilles et des États-Unis, par H. de Saussure. Livr. III et IV. Orthoptères—Blattides. 1864—65. 4to.

Mélanges Hyménoptèrologiques, par H. de Saussure. IIme Fascicule, 1863. 4to.

Reise der Österreichischen Fregatte Novara um die erde in den Jahren 1857—59. Zoologische Theil. Zweiter Band; Hymenoptera. Von H. de Saussure. 1867. 4to.

Portrait of Alexandre Yersin. 4to.

Note sur un Orthoptères Nouveau, par Alex. Yersin. 1857, 8vo.

Note sur quelques Orthoptères Nouveaux on peu connus d'Europe, par A. Yersin. 1859, 8vo.

Note sur le Pachytylus migratorius, Fisch., par A. Yersin. 1858, 8vo.

Note sur la dernière mue des Orthoptères, par A. Yersin. 1855, 8vo.

Recherches sur les fonctions du Système nerveux dans les Animaux Articulés, par A. Yersin. Two pamphlets, 8vo.

Note sur les mues du grillon champêtre, par A. Yersin. 8vo.

Mémoire sur quelques faits relatifs à la stridulation des Orthoptères et à leur distribution géographique en Europe, par A. Yersin. 8vo.

Bericht über das Leben und Wirken der Schweizerischen entomologischen Gesellschaft innert der Zeit von Mitte 1858 bis Eude 1859, von Adolph Ott. 8vo.

The following were presented by *Francis Walker*:—

Monographia Chalciditum, by Francis Walker. Vols. 1 and 2. 8vo.

Characters of undescribed species of Smiera (Chalcidites), by Francis Walker. 1864. 8vo.

Characters of a new Genus and Species of Chalcidites, by Francis Walker. 1865. 8vo.

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April 13, 1868.

President Horn in the Chair.

Nine members present.

The following donations to the *Library* was announced:—

Transactions of the Entomological Society of London, 3rd Series, Vol. 4, parts 2 and 3, and Vol. 5, part 7. From the *Society*.

Proceedings of the Zoological Society of London, 1867, Part 2. From the *Society*.

Proceedings of the Boston Society of Natural History, Vol. 11, pp. 273—288. From the *Society*.

The American Naturalist, Vol. 2, Nos. 1 and 2. From the *Editors*.

The American Journal of Science and Arts for March 1868. From the *Conductors*.

The Entomologist's Monthly Magazine for March and April, 1868. From the *Conductors*.

California Silk Grower's Manual, by L. Prevost. 1867. 8vo. From the *Dept. of Agriculture*.

First Annual Report on the Noxious Insects of the State of Illinois, by Benj. D. Walsh, M. A., Acting State Entomologist. 1868. 8vo. From the *Author*.

Supplement to the descriptions and figures of the Araneides of the United States, by N. M. Hentz. Edited by S. H. Scudder. 1868. 8vo. From the *Editor*.

The following were presented by *Dr. H. Hagen*:—

Anatomisch-physiologische Untersuchungen über den Athmungsprozess der Insekten. Von H. Rathke. 4to.

Monographie des Gomphines, par E. de Selys Longchamps, avec la collaboration de Dr. H. A. Hagen. 1858. 1 vol. 8vo.

Synopsis des Agrionines; legion 2—5, par E. de Selys Longchamps. 1862—65. 8vo.

Synopsis des Gomphines, par E. de Selys Longchamps. 1854. 8vo.

Synopsis des Caloptérygines, par E. de Selys Longchamps. 1853. 8vo.

Révision critique des Phryganides décrites par M. Rambur d'après l'examen des individus types par Dr. H. A. Hagen. 1860. 8vo.

Catologue raisonné des Orthoptères de Belgique, par E. de Selys Longchamps. 1862. 8vo.

Notes on the Genus Raphidia, by Dr. H. A. Hagen. 1867. 8vo.

Description of a genus of Caddis-flies, of which the larvæ construct cases known as Helicopsyche, by Dr. H. A. Hagen. 1865. 8vo.

On some aberrant genera of Psocina, by Dr. H. A. Hagen. 1865. 8vo

Psocinorum et Embidinorum Synopsis synonymica, von H. Hagen. 1866. 8vo.

Hemerobidarum Synopsis synonymica, von Dr. H. Hagen. 8vo.

Synopsis der Neuroptera Ceylons, von Dr. Hagen. 1858—59. 8vo.

Phryganidarum Synopsis synonymica, von H. Hagen. 1864. 8vo.

Synonymia Libellularum Europæarum, auctor H. A. Hagen. 8vo.

Beiträge zur Kenntniss der Verwandlung der Neuropteren, von Friedrich Brauer. 1855. 8vo.

Notizen beim Studium von Brauer's Novara-Neuropteren, von Dr. H. Hagen. 1866. 8vo.

Die Neuroptera der Insel Cuba, von Dr. H. Hagen. 8vo.

Rathmell Wilson was elected a *Life Member* and Benj. H. Smith, of Chester Co., Pa., a *Corresponding Member*.

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May 11, 1868.

President Horn in the Chair.

Eleven members present.

The following donations to the *Cabinet* were announced:—

A very fine collection of Mexican Formicidæ, collected and presented by Prof. F. Sumichrast.

A large collection of Mexican Coleoptera, collected and presented by Dr. Chas. Sartorius.

The following donations to the *Library* were announced:—

Verhandlungen des naturforschenden Vereines in Brünn. Band. V. 1866. From the *Society*.

Proceedings of the Academy of Natural Sciences of Philadelphia. 1867, No. 4. From the *Academy*.

Proceedings of the Essex Institute. Vol. 5, No. 6. 1867. From the *Institute*.

The American Naturalist for May, 1868. From the *Editors*.

The American Journal of Science and Art for May, 1868. From the *Conductors*.

On the Orthoptera of the State of Maine, by Sidney I. Smith. From the *Author*.

The characters of the Lepidopterous family Noctuidæ, by A. S. Packard, Jr., M. D. From the *Author*.

Six plates of Lepidoptera, engraved on copper by Prof. T. Glover. From the *Dept. of Agriculture*.

The following paper was presented for publication in the *Transactions*:—

"Notes on the Habits of Mexican Hymenoptera, No. 1, by F. Sumichrast."

JUNE 8, 1868.

Vice President PINE in the Chair.

Ten members present.

The following donations to the *Library* were announced :—

The Butterflies of North America, with colored drawings and descriptions, by Wm. H. Edwards. Part 1, 1868. 4to. From the *Author.*

Descriptions of American Lepidoptera, No. 3, by A. R. Grote and C. T. Robinson. 8vo. From the *Authors.*

Transactions of the American Entomological Society, Vol. 1, No. 4. 8vo. From the *Publication Committee.*

Proceedings of the Academy of Natural Sciences of Philadelphia, for January and February, 1868. 8vo. From the *Academy.*

The Entomologist's Monthly Magazine for May, 1868. From the *Conductors.*

The American Naturalist for June, 1868. From the *Editors.*

Verhandlungen der Kaiserlich-Königlichen zoologisch-botanischen Gesellschaft in Wien. Jahrgang 1867. Band xvii. From the *Society.*

Beitrag zu einer Monographie der Sciarinen, von Joh. Winnertz. Wien, 1867. 8vo. From the *Zool.-botan. Gesellschaft in Wien.*

The following papers were presented for publication in the *Transactions* :—

"New Coleoptera collected on the Survey for the extension of the Union Pacific Railway, E. D., from Kansas to Fort Craig, New Mexico, by Jno. L. LeConte, M. D."

"Coleoptera of the U. S. Coast Survey Expedition to Alaska, under charge of Mr. George Davidson, by Jno. L. LeConte, M. D."

"Description of a new species of N. A. Culicidæ, by Baron R. Osten Sacken."

"On the N. A. Platypteryginæ, by Aug. R. Grote."

"Notes on the N. A. Lepidoptera contained in the British Museum and described by Mr. Francis Walker, by A. R. Grote and C. T. Robinson."

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JULY 13, 1868.

President HORN in the Chair.

Eight members present.

The following donations to the *Library* were announced :—

Annales de la Société Entomologique de France. Tome 7, Trim. 1—4. 1867. From the *Society.*

Tijdschrift voor Entomologie. Nr. 1—6. 1867. From the *Soc. Ent. des Pays-bas.*

Transactions of the Chicago Academy of Sciences. Vol. 1, Part 1. From the *Academy.*

Transactions of the American Entomological Society. Vol. 2, No. 1. From the *Publication Committee.*

Proceedings of the Essex Institute. Vol. 5, No. 4. From the *Institute.*

Proceedings of the Boston Society of Natural History. Vol. 11, pp. 289—486. From the *Society.*

Condition and Doings of the Boston Society of Natural History. May 1868. From the *Society.*

Annual of the Boston Society of Natural History. 1868—69. No. 1. From the *Society.*

Entomologist's Monthly Magazine. June and July, 1868. From the *Conductors.*

American Naturalist, Vol. 2, No. 5. From the *Editors.*

Catalogue de la collection de Cicindéletes de M. LeBaron de Chaudoir. From *Jno. L. LeConte, M. D.*

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D. Part 1. From the *Author.*

The Classification of Animals based on the Principle of Cephalization, by Jas. D. Dana. Nos. 1—3. From the *Author.*

On two American species of the genus Hydrachna, by J. D. Dana and J. Whelpley. From the *Authors.*

On the Homologies of Insects and Crustaceans, by Jas. D. Dana. From the *Author.*

A Review of the Classification of Crustacea, with reference to certain Principles of Cephalization. By Jas. D. Dana. From the *Author.*

Description of a new species of Culicidæ, by Baron R. Osten Sacken. From the *Author.*

On the N. A. Platypteryginæ, by Aug. R. Grote. From the *Author.*

Descriptions of new N. A. Coleoptera, by Jno. L. LeConte, M. D. From the *Author.*

Catalogue of a collection of Mexican Hymenoptera, made by Prof. F. Sumichrast, by E. T. Cresson. From the *Author.*

Notes on the Habits of certain species of Mexican Hymenoptera, by Prof. F. Sumichrast. From the *Author.*

The following papers were presented for publication in the *Transactions* :—

"On the Synonymy of certain species of N. A. Lepidoptera, by Aug. R. Grote."

"Descriptions of N. A. Lepidoptera, No. 4, by Aug. R. Grote and C. T. Robinson."

"Descriptions of New Diurnal Lepidoptera, by Wm. H. Edwards."

"Catalogue of the Mutillidæ of North America, by Chas. A. Blake."

"Catalogue of Coleoptera from South Western Virginia, by Geo. H. Horn, M. D."

"Descriptions of new Coleoptera from the Pacific District of the United States, by Geo. H. Horn, M. D."

August 10, 1868.

President Horn in the Chair.

Seven members present.

The following paper was presented for publication in the *Transactions*:—

"Description of *Ennomos subsignaria*, Hübner, with notes on its habits, by Geo. Garrett Wise, M. D."

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September 14, 1868.

President Horn in the Chair.

Ten members present.

The following donations to the *Library* were announced:—

Proceedings of the Essex Institute, Vol. 5, No. 7. From the *Institute.*

Transactions of the Academy of Sciences of St. Louis, Mo. Vol. 2, No. 3. From the *Academy.*

Proceedings of the Boston Society of Natural History. Vol. 12, pp. 17—80. From the *Society.*

Proceedings of the Zoological Society of London for 1867; and a report of its Council and Auditors. From the *Society.*

Memoirs of the Boston Society of Natural History. Vol. 1, parts 1 and 3. From the *Society.*

Abhandlungen herausgegeben vom naturwissen-schaftleichen Vereine zu Bremen. Bd. 1, Heft 3. 1868. From the *Society.*

Entomologist's Monthly Magazine for August and September, 1868. From the *Conductors.*

American Journal of Science and Arts for September, 1868. From the *Conductors.*

American Naturalist for August and September, 1868. From the *Editors.*

Canadian Entomologist. Vol. 1, No. 1. From the *Entom. Soc. of Canada.*

American Entomologist, Vol. 1, No. 1. From the *Editors.*

Essai d'une Faune Entomologique de l'Archipel Indo-Néerlandais. Troisième Monographie: Famille des Pentatomides. 1re Partie. Par S. C. Snellen Van Vollenhoven. 4to. From the *Government of the Netherlands.*

Catalogue des Espèces de l'ancien genre Scolia, par H. de Saussure et J. Sichel. 1864. From *Prof. F. Sumichrast.*

Sur quelques Scolies de Basse-Californie, par H. de Saussure. 1862. From *Prof. F. Sumichrast.*

Études Hyménopterologiques, par J. Sichel. Premier fascicule. 1866. From *Prof. F. Sumichrast.*

Notes on the stridulation of some New England Orthoptera, by S. H. Scudder. From the *Author.*

Entomological Notes, No. 1, by S. H. Scudder. From the *Author.*

Supplement to a list of the Butterflies of New England, by S. H. Scudder. From the *Author.*

On the structure of the ovipositor and homologous parts in the male insect, by A. S. Packard, Jr., M. D. From the *Author.*

On the development of a Dragon-Fly (Diplax), by A. S. Packard, Jr., M. D. From the *Author.*

A Guide to the Study of Insects. Part 2. By A. S. Packard, Jr., M. D. From the *Author.*

A Monograph of the British Neuroptera—Planipennia, by R. Mac Lachlan. From the *Author.*

On the synonymy of certain species of American Lepidoptera, by A. R. Grote. From the *Author.*

Catalogue of Coleoptera from South-western Virginia.—New species of Coleoptera from the Pacific District of the United States, by G. H. Horn, M. D. From the *Author.*

Three Plates of N. A. Lepidoptera, engraved on copper by Prof. T. Glover. From the *Dept. of Agriculture.*

The following paper was presented for publication in the *Transactions*:—

"Synopsis of the Scolytidæ of America, north of Mexico, by Dr. C. Zimmermann; with an Appendix, by Dr. Jno. L. LeConte."

The following communications from Dr. Henry Shimer were read:—

Notes on insects bred from the Prickly Ash,

(*Xanthoxylum americanum*).

May 25th, 1868.—This morning I passed by a small grove of Prickly Ash, a mile west of this town, and observing that the wookpeckers had attacked the branches of some dead trees, the trunks of which were barked last July, I made an examination, and found that the bark had been considerably undermined by wood-boring larvæ. This work had been done during the latter part of last summer; in the autumn the borers entered the wood, usually by oblique paths, to secure safe winter quarters. On cutting down I found the larvæ—footless borers—of whitish and pink-orange colors, about one-fourth of an inch long. In these burrows I found several pink-orange pupæ, invariably lying with their heads outward; their long antennæ folded over the wing-cases, oblique down on the sides, passing beneath the posterior pair of legs, a little beyond them, and then curving up over the breast reach the head. From these pupæ I bred a small Lamiide, related to *Liopus alpha.*

LIOPUS XANTHOXYLI, n. sp.—*Gray, with bands and spots of blackish pubescence.* Antennæ about once and a half the length of the body, joints blackish at the articulations; hoary, mottled with cinereous and light brown between. Elytra hoary-cinereous, or slightly shaded with light brown, marked with an imperfect broad transverse band before the middle, and with two oblique bands, and many smaller spots of blackish behind the middle; in some specimens the grey predominates, in others black; in a few the bands are almost obsolete, being merely spotted with black. Thorax with two broad longitudinal lines converging to a point in form of the letter V; each side behind the middle with an angular spine-like projection. Head depressed between the antennæ, grey, with some small black spots; on the occiput a posterior median half line, and many small black spots, not equally well defined in all specimens. Beneath cinereous, incisures blackish; legs grey, somewhat spotted with black. Length about .25 inch.

June 10th.—I found only a few pupæ in their holes in the wood; but a few days later I took a number of specimens of the perfect insect by beating the Prickly Ash bushes. Examinations of old bushes show the work of former years. From these observations I conclude that they breed in wood recently dead, never in living wood, nor yet in wood dead for several years. In many of the holes in the body of the trees, I find a small, white silky cocoon, and where this is I never find the pupæ of the *Liopus*. From these, June 20th—25th, I bred an undetermined species of Ichneumonidæ. I also find a white maggot preying on some recently dead larvæ. One of these maggots, not yet half grown, appears to have just killed its victim, which is still quite plump, the posterior part a little shrivelled from the sucking of the maggot; these parasites were probably deposited this spring. They soon became pupæ, with the naked white legs free. From these—June 15th—I obtained a beautiful little Ichneumonide—also undetermined. I find many small beetles (*Lœmophlœus adustus* Lec., and *Sacium fasciatum* Say) crawling about slowly on the bark of the Prickly Ash bushes.

May 23rd.—Saw several of the *Sacium fasciatum* in the holes of the borers. Observing a small round hole, like a pin hole, in a dead Prickly Ash bush, I cut out two specimens of a Scolytide, which Dr. LeConte informs me he has recently named *Micracis suturalis.** Upon several occasions, up to the present time, I have beaten Prickly Ash bushes in different localities in the groves within two miles of Mount Carroll, but never found either *Micracis suturalis*, *Liopus xanthoxyli*, *Lœmophlœus adustus* or *Sacium fasciatum*, except in the one locality on the creek a mile west of the town; no dead trees were, however, observed in the other localities. The finding of *Sacium fasciatum* frequently in the borer holes, might lead us to conclude that they feed on the excrements or exuvia of other species. Among the Coleoptera obtained by beating the Prickly Ash bushes, I observe numerous specimens of a small, grey snout-beetle—an undescribed species of *Centrinus*. I find the trees in fruit, and have collected them from no other trees.

Since making the above observations on *Micracis suturalis*, I have succeeded in obtaining a small number by cutting in the dead wood, where the bark was adherent and where the Liopus larvæ had not worked. They are only found in imago now, and in this state appear to have entered; their holes are entirely free from chips, and I usually found them with their heads inward; their holes frequently intersect, and wind in various directions; sometimes they have several external openings, and when approached they usually go deeper in, if possible. I never took one by beating on the bushes. I saw one on the trunk of a Prickly Ash, but it escaped by falling to the ground.

June 19th.—I obtained from beneath the bark, a small species of Chalcididæ; also a larva of a species of *Scymmus* from the holes of the borers.

I am indebted to Dr. LeConte for determining the Coleoptera above noticed.

MOUNT CARROLL, ILLINOIS, July 1, 1868.

A brief Extract from Notes on Grape Vine Borers.

April 25th, 1868.—When examining dead wood of Isabella and Clinton Grape vines, I find many of the vines literally riddled by some kind of borer; and in these galleries I observe many specimens of *Amphicerus bicaudatus*, Say. A

* Trans. Am. Ent. Soc. ii, 165.

small proportion of them were living; they doubtless passed the winter in the perfect state, and as the vines were exposed to unusually severe weather on the trellises, many of the insects died; the dead specimens were passibly fit for preserving, had it been desirable. I saw two male specimens, one dead, the other living. The finding of the *Amphicerus bicaudatus* Say, under these circumstances, associated with *A. aspericollis* Germ., confirms the opinion of Dr. LeConte, that the two are sexes of one species. Upon a subsequent occasion, I found two *A. bicaudatus* just in the act of boring into grape vines immediately above the buds; they had entered about once and a half their length in limbs frost-killed during the last winter. These observations remind me that Dr. John Hostetter, of Mount Carroll, about five years ago, informed me that he had found a grape vine borer in its different stages. I find in the vines three species of Coleopterous larvæ; one rather rare, footless, yellowish-white, with black horny mandibles, length .30 inch; from these, after eighteen days in puparium, I bred *Callidium amœnum* Say. Another is a thick wrinkly grub, with a hoary-brownish line on the upper part of the abdomem; thorax extremely heavy, body curved so that the extremities come together, legs quite hairy. I placed about a dozen specimens into a box; they refused to eat. I never saw them crawling, they were always curled up, and when handled, tumbled about like balls, the feet were constantly in motion. These all died in the course of two or three weeks without becoming pupæ; their greatest length is .30 inch. Still later, I obtained two much larger grubs; these are yet in the larval state in the vine; I can only conjecture that they may be the larvæ of *Amphicerus bicaudatus*. A third larva, a grub somewhat similar to that noticed above, but smaller and more slender, is very abundant; it is white, without the dark spot on the abdomen, and curls up as the other when removed from the wood.

May 15th.—Many of these larvæ have become pupæ, and on the 10th of June most of them were in the perfect state, and only one larva was seen. These developed into *Lyctus opaculus*, Lec., and on the 1st of July I took the last imago out of the grape wood. These were so numerous in many vines as to eat up the wood entirely, the bark alone sustaining the vine. I am convinced that they only feed on wood recently dead, more especially because they are so often huddled together so closely; it is quite apparent that they do not interfere with living sappy wood. I am inclined to believe the same regarding all these three species of grape vine borers. If this is a correct conclusion, they will not damage the vines.

Associated with these borers, I found at least three distinct parasites; two identical with the undetermined Ichneumonide mentioned in my Notes on the Prickly Ash insects; and a third a naked, black, footless pupa found in early spring in the borings of the coleopterous larvæ, which probably passed the winter in the stems; these developed an undetermined species of Chalcididæ, which presents the following characters;—Head, thorax and anterior part of abdomen greenish, with purple, golden and metallic reflections; posterior part of abdomen steel-blue; legs and first joint of antennæ reddish; remainder of antennæ black; wings with two smoky transverse bands; the antennæ equal one-fourth the anterior wing in length; length of body one-fourth of an inch.

Several other insects were observed in connection with these observations, but of which I did not learn sufficient to notice at present.

MOUNT CARROLL, ILLS., July 1, 1868.

October 12, 1868.

President Horn in the Chair.

Eight members present.

The following donations to the *Library* were announced :—

Transactions of the Entomological Society of London. Vol. 3, Part 5; Vol. 4, Parts 4 and 5; Vol. 5, Part 8, and Parts 1 and 2 for 1868. From the *Society.*

Journal of the Linnean Society, London. Zoology. Nos. 36—42. From the *Society.*

American Naturalist for October, 1868. From the *Editors.*

Bericht über die wissenschaftlichen Leistungen im Gebiete der Entomologie während der Jahre 1859 to 1866. (7 Parts) Von Dr. A. Gerstaecker. From the *Author.*

Dr. Horn made a few remarks concerning *Cossyphus,* a genus considered from its tarsal characters as being a Tenebrionide Coleopteron, showing however a peculiarity of structure unknown until now, excepting among the Rhynchophora. The character was first observed by Dr. LeConte in the latter group of families, and its systematic value pointed out before the National Academy a year or two ago, and consists in the union of the edges of the prosternal epimera on the median line behind the prosternum, so that the latter never attains the margin of prothoracic segment, and is consequently never near the mesosternum. The accompanying illustration exhibits this peculiar structure in *Cossyphus,* which appears to indicate the possibility of the removal of the genus from its present position to the head of the great Rhynchophorous section of Coleoptera.

Dr. LeConte followed in remarks regarding the interest of the observation here made known, and explained at some length the peculiarities of structure of the under surface of the prothorax in the different families of Coleoptera.

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November 9, 1868.

President Horn in the Chair.

Fifteen members present.

The following donations to the *Cabinet* were announced :—

A collection, in alcohol, of Arachnida, Myriapoda, Hymenoptera and Orthoptera, made in New Mexico. From J. L. LeConte, M. D.

Thirteen specimens of *Catocala* (*C. ultronia, C. ponderosa, C. paleogama, C. ennubens, C.* sp. indet.), from Charles Wilt.

The following donations to the *Library* were announced :—

Proceedings of the Academy of Natural Sciences of Philadelphia, 1868, No. 3. From the *Academy.*

The American Naturalist, for October, 1868. From the *Editors.*

The Entomologist's Monthly Magazine for October, 1868. From the *Conductors.*

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D. Part 3. From the *Author.*

The Canadian Entomologist, Vol. No. 3. From the *Entom. Soc. of Canada.*

The Sugar Insect: "*Acarus Sacchari*," found in raw sugar. By Rob't Niccol, Esq. of Greenock, Scotland. 1868. From the *Author.*

Annual Report of the Trustees of the Museum of Comparative Zoology, together with the report of the Directors. 1862, 8vo. From *Chas. H. Hart.*

Report of Dr. Fitch on the Noxious and other Insects, detrimental to Agriculture. 1865, 8vo. From *Chas. H. Hart.*

Thirty-one plates, illustrating the Orange and Cotton Insects, and their ravages in the Southern States, engraved from nature, by Prof. Townend Glover. From the *Department of Agriculture.*

The American Entomologist, Vol. 1, Nos. 2 and 3. From the *Editors.*

The Butterflies of North America, by Wm. H. Edwards. Part 2. From the *Author.*

The following paper was presented for publication in the *Transactions:*

"List of the Sphingidæ, Ægeriidæ and Bombycidæ of Cuba, by Aug. R. Grote."

December 14, 1868.

President. Horn in the Chair.

Seventeen members present.

The Annual Reports of the Recording and Corresponding Secretaries, Treasurer, Librarian, Curator and Standing Committees were read.

The following donations to the *Library* were announced :—

Proceedings of the Zoological Society of London, 1868, Part 1. From the *Society.*

Entomologist's Monthly Magazine. November and December, 1868. From the *Conductors.*

American Naturalist. November and December, 1868. From the *Editors.*

The American Journal of Science and Arts for November, 1868. From the *Conductors.*

The Canadian Entomologist, Vol. 1, Nos. 2 and 4. From the *Entom. Soc. of Canada.*

Proceedings of the Boston Society of Natural History. Vol. 12, pp. 113—144. From the *Society.*

On the Phalangeæ of the United States of America, by H. C. Wood, Jr., M. D. From the *Author.*

Constitution and By-Laws of the Entomological Society of Canada.

The following works were presented by J. Carson Brevoort, Esq. :—

Catalog der Kæfer-Sammlung von Jacob Sturm. 1843, 8vo.

Disquisitiones Physiologicæ circa Respirationem Insectorum et Vermium auctore F. L. A. W. Sorg. 1805, 8vo.

Monographia Coleopterorum Micropterorum, auctore J. L. C. Gravenhorst. 1806, 8vo.

Catalogue des livres d'Histoire Naturelle et principalement d'Entomologie composant la Bibliothèque de feu M. Victor Audouin. 1842, 8vo.

Bedenkingen over het einde, waartoe de Insecten vermœdelyk geschapen zyn. door C. F. Kleynhoff, M. D. 1805, 8vo.

Genera Insectorum eorumque characteres naturales secundum numerum, fig-

uram, situm et proportionem omnium partium oris adjecta mantissa specierum nuper detectarum, auctore J. C. Fabricius. 8vo.

Fundamenta Entomologiæ: or, an Introduction to the knowledge of Insects. By W. Curtis, Apothecary. 1772, 8vo.

Cours d'Entomologie, ou de l'histoire naturelle des Crustacés, des Arachnides, des Myriapodes et des Insectes Par M. Latréille. 1831, 8vo.

Précis des charactères génériques des Insectes disposès dans un ordre naturel. Par le Citoyen Latréille. 8vo.

Description des Chrysides du Bassin du Léman par Frédéric Chevrier. 1862, 8vo.

Pselaphiorum Monographia cum synonymia extricata auctore Carolo Aubé. 1833, 8vo.

Révision de la famille des Pselaphiens, par Dr. C. Aubé. 1844, 8vo.

On the Pselaphidæ of the United States. By John L. LeConte, M. D. 1844, 8vo.

Geschichte, Systematik und Literatur der Insectenkunde, von den ältesten Zeiten bis auf die Gegenwart. Von Dr. J. N. Eiselt. 1836, 8vo.

Essai sur l'Entomologie du département du Pay-de-Dome. Monographie des Lamelli-Antennes. Par M. J. Baudet Lafarge. 1809, 8vo.

Epitome Entomologiæ Fabricianæ sive Nomenclator Entomologicus emendatus sistens Fabriciani systematis cum Linneano comparationem. 1797, 8vo.

Johannes Goedartius de Insectes, in Methodum Redactus; cum Notularum additione opera M. Lister. 1685, 8vo.

A guide to the study of Insects, by A. S. Packard, Jr. M. D. Part 4. From the *Author*.

Rapport fait à la Societé sur les moyens de prevenir et d'arrêter les ravages de l'alucite des grains (pou volant, teigne, papillon des grains), au nom d'une Commission composée de MM. Busche, Darblay, Labbé, Vilmorin; Huzard fils, rapporteur. 1831, 8vo. From *C. H. Hart.*

On ballot, the following Officers and Standing Committees were elected to serve the ensuing year:—

OFFICERS.

President—Coleman T. Robinson.
Vice-President—Jno. L. LeConte, M. D.
Corresponding Secretary—E. T. Cresson.
Recording Secretary—J. Frank Knight.
Treasurer—James W. McAllister.
Librarian—Charles A. Blake.
Curator—Ezra T. Cresson.

STANDING COMMITTEES.

On Coleoptera—J. L. LeConte, M. D., Sam'l. Lewis, M. D., G. H. Horn, M. D.
Lepidoptera—C. T. Robinson, A. R. Grote, C. A. Blake.
Hymenoptera—E. T. Cresson, J. W. McAllister, C. A. Blake.
Diptera—Chas. Wilt, E. T. Cresson, James Ridings.
Neuroptera and Orthoptera—J. Frank Knight, G. B. Dixon, C. H. Hart.
Hemiptera and Aptera—J. Ennis, J. Meichel, C. H. Hart,
Insect Architecture—J. Frank Knight, J. H. Ridings, M. D., J. Meichel.
Library—Wm. S. Pine, Samuel Lewis, M. D., Geo. B. Dixon.
Publication—E. T. Cresson, C. T. Robinson, Samuel Lewis, M. D.
Finance—J. W. McAllister, Samuel Lewis, M. D., Charles Wilt.
Hall—C. A. Blake, Wm. Ridings, Samuel Lewis, M. D.
Collecting Fund—Wm. Ridings, Charles Wilt, J. Ennis.
Microscopy—C. C. Cresson, M. D., C. T. Robinson, C. A. Blake.

JANUARY 11, 1869.

Vice President LeCONTE in the Chair.

The following donations to the *Library* were announced :—

Proceedings of the Boston Society of Natural History, Vol. 15, pp. 155—192. From the *Society*.

American Naturalist, for January 1869. From the *Editors*.

American Entomologist, Vol. 1, Nos. 4 and 5. From the *Editors*.

Canadian Entomologist, for December 1868. From the *Entom. Soc. of Canada*.

Descriptions of American Lepidoptera, No. 4, by A. R. Grote and C. T. Robinson. From the *Authors*.

Descriptions of New Canadian Ichneumonidæ, by E. T. Cresson. From the *Author*.

Descriptions of North American Bees, No. 1, by E. T. Cresson. From the *Author*.

Nova Acta Regiae Societatis Scientiarum Upsaliensis. Seriei Tertiae. Vol. 6, Fasc. 1—2. 1866-8. From the *Society*.

The following paper was presented for publication in the *Transactions :*

"Description of a new genus of Pieridæ, and certain new species of butterflies from California, by H. Behr, M. D."

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FEBRUARY 8, 1869.

Vice President LeCONTE in the Chair.

Thirteen members present.

The following donations to the *Library* were announced :—

Proceedings of the Zoological Society of London, 1868. Part 2. From the *Society*.

Proceedings of the Boston Society of Natural History, Vol. 12, pp. 193—224. From the *Society*.

Proceedings of the Academy of Natural Sciences, 1868, No. 4. From the *Academy*.

Transactions of the American Entomological Society, Vol. 2, No. 2. From the *Publication Committee*.

Proceedings of the Essex Institute, Vol. 5. No. 8. From the *Institute*.

Entomologists' Monthly Magazine, for January 1869. From the *Conductors*.

American Naturalist, Vol. 2, No. 12. From the *Editors*.

American Entomologist, Vol. 1, No. 6. From the *Editors*.

Canadian Entomologist. Vol. 1, No. 6. From the *Entom. Soc. of Canada*.

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D. Part 5. From the *Author*.

Essai d'une Faune Entomologique de l'Archipel Indo-Néerlandais, par S. C. Snellen Van Vollenhoven. Troisiéme Monograph. Famille des Pentatomides. Ire Partie. From *Rathmell Wilson*.

Iconographie et description de Chenilles et Lépidoptères inedits, par P. Milliére, (3 Livraisons). Tome 2. From *Rathmell Wilson.*

Histoire Naturelle des Insectes Coléoptères, par Th. Lacordaire. Tome huitiéme contenant les familles des Tricténotomides et des Longicornes. 1869. From *Rathmell Wilson.*

Diptera Americæ septentrionalis indigena, descripsit H. Loew. Centuria octava. From the *Author.*

The following paper was presented for publication in the *Transactions* :—

"Synonymical Notes on Coleoptera of the United States, with descriptions of new species, from the MSS. of the late Dr. C. Zimmermann. Edited by John L. LeConte, M. D."

The following amendments to the By-Laws of the Society were adopted, viz:

Art. 2 of Chap. III, strike out, in the second line, the words "one dollar" and substitute "two dollars."

Art. 3 of Chap. III, strike out, in the second line, the word "fifty" and substitute "seventy-five."

William S. Wilson was unanimously declared a *Life member* of the Society.

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March 8, 1869.

Dr. Horn in the Chair.

The following donation to the *Cabinet* was announced:

A large and handsome collection of South American and European Diurnal Lepidoptera. From *Coleman T. Robinson.*

The following donations to the *Library* were announced:—

American Journal of Sciences and Arts for January 1869. From the *Conductors.*

American Naturalist, Vol. 3, No. 1. From the *Editors.*

Entomologists' Monthly Magazine, for February 1869. From the *Conductors.*

Canadian Entomologist, Vol. 1, No. 7. From the *Entom. Soc. of Canada.*

Rhopalocera Africæ Australis; a catalogue of South African Butterflies, comprising descriptions of all the known species, by Roland Trimen. London, 1862—66. From *C. T. Robinson.*

Die Tineen und Pterophoren der Schweiz, von Prof. Heinrich Frey. Zürich, 1856. From *C. T. Robinson.*

On ballot, John Akhurst was elected a *Resident member* of the Society.

April 12, 1869.

President Robinson in the Chair.

Twelve members present.

The following donations to the *Library* were announced :—

Entomologists' Monthly Magazine for March 1869. From the *Conductors.*

American Journal of Science and Arts, March 1869. From the *Conductors.*

American Entomologist, for March and April 1869. From the *Editors.*

Canadian Naturalist, Vol. 1, No. 2. From the *Editor.*

Bulletin of the Essex Institute, Vol. 1, Nos. 1 and 2. From the *Institute.*

American Naturalist, Vol. 3, No. 2. From the *Editors.*

Proceedings of the Boston Society of Natural History, Vol. 12, pp. 225—336. From the *Society.*

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D. Part 6. From the *Author.*

An Entomological Essay read before the Fruit Grower's Association of Easton Pennsylvania, by S. S. Rathvon. From the *Author.*

Revision of the large Stylated Fossorial Crickets, by S. H. Scudder. From the *Author.*

Six plates of Lepidoptera, engraved on copper by Prof. T. Glover. From the *Dept. of Agriculture.*

The following were presented by *Dr. Jno. L. LeConte* :—

Descriptions of three new species of the genus Cremastocheilus, by T. W. Harris, M. D.

Upon the Economy of some American species of Hispa, by T. W. Harris, M. D. (1835.)

A Monograph of North American Insects of the genus Cicindela, by Thomas Say. (In MS. 1817.)

Verzeichniss der in "Dejean's species général des Coléoptéres" beschriebenen Carabiden, by Dr. Zimmermann. (In MS.)

Verzeichniss der Lamellicornia Melitophila, von Dr. Schaum. (1848.)

Versuch einer systematischen Feststellung der Insecten-Familie: Panorpatæ und Auseinander setzung ihrer Gattungen und Arten.

Synopsis Hymenopterologiæ Scandinavicæ, I—II.

The following papers were presented for publication in the *Transactions* :—

"Biological Notes on Diptera, (Galls on Solidago.) by Baron R. Osten Sacken."

"A Summers Study of Hickory Galls, with descriptions of supposed new insects found therein, by Henry Shimer, M. D."

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May 10, 1869.

Vice President LeConte in the Chair.

The following donations to the *Library* were announced :—

Proceedings of the Boston Society of Natural History, Vol. 12, pp. 337—400. From the *Society.*

Memoirs read before the Boston Society of Natural History, Vol. 1, Part 4. From the *Society*.

Transactions of the Entomological Society of London; 1868, Parts 3—5; 1869, Part 6. From the *Society*.

American Journal of Science and Arts, May 1869. From the *Conductors*.

American Naturalist, for May 1869. From the *Editors*.

Canadian Entomologist, Vol. 1, No. 9. From the *Entom. Soc. of Canada*.

Canadian Naturalist, Vol. 1, Nos. 3—5. From the *Editor*.

Entomological Correspondence of Dr. Thaddeus William Harris. From the *Boston Society of Natural History*.

First Annual Report on the Noxious, Beneficial and other Insects of the State of Missouri, by Charles V. Riley, State Entomologist. From the *Author*.

Entomological Notes, No. 1, by Samuel H. Scudder. From the *Author*.

Supplement to a List of Butterflies of New England, by Samuel H. Scudder. From the *Author*.

Notes on the Stridulation of some New England Orthoptera, by Samuel H. Scudder. From the *Author*.

Stettiner Entomologische Zeitung. From the *Entom. Soc. of Stettin*.

Verhandlungen der kaiserlich Königlichen Zoologisch-botanischen Gesellschaft in Wien. Vol. 18. No. 1—4. From the *Society*.

Mélanges Orthopterologiques, par H. de Saussure. From the *Author*.

The following paper was presented for publication in the *Transactions*:

"Description on a new species of Grapta, with notes upon G. interrogationis, by J. A. Lintner."

On ballot, R. J. Mendenhall, of Minneapolis, Minn., was elected a *Corresponding member* of the Society.

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June 14, 1869.

Vice President LeConte in the Chair.

Ten members present.

The following donations to the *Library* were announced:—

Entomologists' Monthly Magazine. May 1869. From the *Conductors*.

Proceedings of the Boston Society of Natural History, Vol. 12. pp. 401—420. From the *Society*.

Canadian Naturalist, May 1869. From the *Author*.

Canadian Entomologist, Vol. 1, Nos. 8—10. From the *Entom. Soc. of Canada*.

American Entomologist, Vol. 1, No. 10. From the *Editors*.

American Naturalist, Vol. 3, No. 4. From the *Editors*.

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D., Part 7. From the *Author*.

The Family Visitor, 1850 and 1851. From *Dr. J. L. LeConte*.

Traité élémentaire d'Entomologie ou d'histoire des animaux articulés, par M. Audouin et H. Milne-Edwards. 2 vols., 16 mo. From *Prof. S. S. Haldeman*.

August 9, 1869,

Dr. Horn in the Chair,

The following donation to the Cabinet was announced:—

A beautiful collection of named Mexican Coleoptera. From *Dr. G. H. Horn.*

The following donations to the *Library* were announced:—

Annales de la Société Entomologique de France. 4e Sér., Tom. 8, Trim. 1—4. From the *Society.*

The Entomologist (London), Vol. 3 (bound), and Nos. 48—60. From the *Conductors.*

The Zoologist, 2nd Series, Nos. 28—39. From the *Conductors.*

Proceedings of the Academy of Natural Sciences, 1869. No. 1. From the *Academy.*

American Journal of Science and Arts, July 1869. From the *Conductors.*

American Naturalist, Vol. 3, No. 5. From the *Editors.*

Canadian Entomologist, Vol. 1, Nos. 11 and 12. From the *Entom. Soc. of Canada.*

Canadian Naturalist, Vol. 1, Nos. 7 and 8. From the *Editors.*

Entomologists' Monthly Magazine, Nos. 61 and 62. From the *Conductors.*

Bulletin of the Essex Institute, Vol. 1, No. 3. From the *Institute.*

Lancaster Farmer, Vol. 1, Nos. 1, 5, 6 and 7. From *S. S. Rathvon.*

Entomological Essay, by S. S. Rathvon. From the *Author.*

Catalogue of the Orthoptera of North America, by S. H. Scudder. From the *Smithsonian Institution.*

First Annual Report of the Trustees of the Peabody Academy of Sciences, From the *Academy.*

A Guide to the Study of Insects, by A. S. Packard, Jr. M. D., Part 8. From the *Author.*

On the Food Plants of New England Butterflies, by Samuel H. Scudder. From the *Author.*

Considerations on the Neuropterous genus Chauliodes and its allies; with notes and descriptions, by R. McLachlan. From the *Author.*

The following paper was presented for publication in the *Transactions:*

"Descriptions of certain new species of Diurnal Lepidoptera found in the United States, by Wm. H. Edwards."

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September 13, 1869.

Vice President LeConte in the Chair.

The following donations to the *Library* were announced:—

American Journal of Sciences and Arts, September 1869. From the *Conductors.*

American Entomologist, August 1869. From the *Editors.*

American Naturalist, Vol. 3, No. 7. From the *Editors.*

A Guide to the Study of Insects, by A. S. Packard, Jr., M. D., Part 9. From the *Author.*

The Butterflies of North America, by Wm. H. Edwards, Part 4. From the *Author.*

Entomological Notes, No. 2, by Samuel H. Scudder. From the *Author.*

Tijdschrift voor Entomologie. Achtste Jaargang, 1 Aflevering. Tweede Serie, 3e deel, 2—6 Aflevering. 4e deel. I Aflevering. From *Entom. Soc. of Pays-bas.*

The following paper was presented for publication in the *Transactions :*—

"On certain parasitic Hymenoptera, belonging to the family Chalcididæ, by Benj. D. Walsh, M. A."

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October 12, 1869.

Dr. Horn in the Chair.

The following donations to the Library were announced :—

Entomologists' Monthly Magazine, Nos. 63 and 64. From the *Conductors.*

American Naturalist, Vol. 3. No. 6. From the *Editors.*

Canadian Naturalist, Vol. 1, No. 10. From the *Editor.*

Synopsis de la Scolytides, par F. Chapuis. From the *Author.*

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November 8, 1869.

Dr. Horn in the Chair.

The following donations to the Library were announced :—

Transactions of the Entomological Society of London, 1869, Parts 1—4. From the *Society.*

Entomologists' Monthly Magazine, October 1869. From the *Conductors.*

Proceedings of the Boston Society of Natural History, Vol. 13, pp. 33—112. From the *Society.*

Transactions of the American Entomological Society, Vol. 2, No. 3. From the *Publication Committee.*

Bulletin of the Essex Institute, Vol. 1, No. 4. From the *Institute.*

American Naturalist, Vol. 3, Nos. 8 and 9. From the *Editors.*

Canadian Naturalist, Vol. 1, No. 11. From the *Editor.*

American Entomologist, Vol. 2, No. 1. From the *Editors.*

Canadian Entomologist, Vol. 2, Nos. 1 and 2. From the *Entom. Soc. of Canada.*

Condition and doings of the Boston Society of Natural History, May 1869. From the *Society.*

Notes on American Tortricidæ, by C. T. Robinson. From the *Author.*

Mittheilungen der schweizerischen Entomologischen Gesellschaft (Bulletin de la Société Suisse d'Entomologie), Vol. 3, Nro. 1—2. 1869. From the *Society.*

Hemiptera Africana descripsit Carolus Stal. Tomus 1—4. From the *Swedish Royal Acad. of Sciences.*

Hemiptera Fabriciana auctore C. Stal. Part 1. From the same.

The following are from *Dr. H. de Saussure:—*

Catalogue des espèces de l'ancien genre Scolia, par H. de Saussure et J. Sichel. 1864.

Essai d'un Système des Mantides, par H. de Saussure.

Etudes sur quelques Orthoptères du Musée de Genève nouveaux ou imparfaitement connus, par H. de Saussure.

Description de quelques Crustacés nouveaux de la Cöte occidentale du Mexique, par H. de Saussure.

Mutillarum novarum species aliquot, auctore H. de Saussure.

Note sur les Polistes Americains, par H. de Saussure.

Essai Monographique sur les Oxybelus du Bassin du Léman (Insectes Hyménoptères), par F. Chevrier.

Description des Chrysides du Bassin du Léman, par F. Chevrier.

Hyménoptères divers du Musée Godeffroy, par H. de Saussure.

Melanges Orthoptérologiques, par H. de Saussure. Fasc. I—II. 4to.

The following papers were presented for publication in the *Transactions:—*

"On the North American species of the genus Aleiodes, Wesmael, by E. T. Cresson."

"Descriptions of new American Tortricidæ, by C. T. Robinson."

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December 13, 1869.

Dr. Horn in the Chair.

The Annual Reports of the Recording and Corresponding Secretaries, the Treasurer, Librarian and Curator were read.

The following donations to the Library were announced:

Journal of the Linnean Society of London, Nos. 43 to 46 inclusive. From the *Society.*

Address of George Bentham Esq., President of the Linnean Society. From the *Society.*

List of the Members, &c., of the Linnean Society of London. From the *Society.*

The Canadian Entomologist, Vol. 2, No. 3. From the *Editor.*

Entomologische Zeitung, Stettin, 1869. From the *Society.*

The American Journal of Science and Arts, November 1869. From the *Conductors.*

The following papers were presented for publication in the *Transactions:*

"Notes on some genera of Coprophagus Scarabæidæ of the United States, by Geo. H. Horn, M. D."

"Synopsis of the Parnidæ of the United States, by Geo. H. Horn, M. D."

The Corresponding Secretary announced the death of Benjamin D. Walsh, M. A., of Rock Island, Illinois, a Corresponding Member of the Society, and on motion a Committee of three was appointed to draft suitable resolutions respecting the deceased.

On ballot, the following Officers and Standing Committees were elected to serve the ensuing year:—

OFFICERS.

President—John L. LeConte, M. D.
Vice-President—George H. Horn, M. D.
Corresponding Secretary—E. T. Cresson.
Recording Secretary—J. Frank Knight.
Treasurer—James W. McAllister.
Librarian—Charles A. Blake.
Curator—Ezra T. Cresson.

STANDING COMMITTEES.

On Coleoptera—J. L. LeConte, M. D., Sam'l. Lewis, M. D., G. H. Horn, M. D.
Lepidoptera—C. T. Robinson, James Ridings, C. A. Blake.
Hymenoptera—E. T. Cresson, J. W. McAllister, C. A. Blake.
Diptera—Chas. Wilt, E. T. Cresson, James Ridings.
Neuroptera and Orthoptera—J. Frank Knight, G. B. Dixon, C. H. Hart.
Hemiptera and Aptera—J. Ennis, J. Meichel, C. H. Hart,
Insect Architecture—J. Frank Knight, J. H. Ridings, M. D., J. Meichel.
Library—Wm. S. Pine, Samuel Lewis, M. D., Geo. B. Dixon.
Publication—E. T. Cresson, C. T. Robinson, Samuel Lewis, M. D.
Finance—J. W. McAllister, Samuel Lewis, M. D., Charles Wilt.
Hall—C. A. Blake, Wm. Ridings, Samuel Lewis, M. D.
Collecting Fund—Wm. Ridings, Charles Wilt, J. Ennis.
Microscopy—C. C. Cresson, M. D., C. T. Robinson, C. A. Blake.